

**Example Table:**

**Speeds of sound at pressure  $p = 0.1$  MPa (same approach for densities, viscosities, thermal conductivity, heat capacity, etc.)**

Table 2. Experimental Values of Speed of Sound  $c$  for the System Tetrahydropyran (1) + Benzene (2) for the Liquid at Pressure  $p = 0.1$  MPa <sup>a</sup>

$x_1$	$c/\text{m}\cdot\text{s}^{-1}$
0.0555	1256
0.1165	1253
0.1472	1251
0.2223	1248
0.2728	1246
0.3751	1241
0.4395	1239
0.4821	1237
0.5313	1238
0.6223	1233
0.6810	1231
0.7321	1230
0.8253	1228
0.9123	1226

<sup>a</sup>Standard uncertainties  $u$  are  $u(x_1) = 0.0002$ ,  $u(p) = 10$  kPa, and the combined expanded uncertainty  $U_c$  is  $U_c(c) = 1 \text{ m}\cdot\text{s}^{-1}$  with 0.95 level of confidence ( $k \approx 2$ ).